## Kinser, Robin D.

**From:** Tricker, Anthony
**Sent:** Monday, June 10, 2002 11:43 AM
**To:** Hsu, Frank
**Cc:** Kinser, Robin D.; Walk, Roger A.; Roethig, Hans; Feng, Shixia; Oey, Jan; Tso, Tom; Lipowicz, Peter J.; Counts, Mary Ellen; Zimmermann, Mike
**Subject:** RE: Entrez-PubMed.htm

Dear Frank,
Unfortunately I have not yet seen the paper, so I cannot any more than you already know.
Best regards,
Tony

-----Original Message-----
**From:** **Hsu, Frank**
**Sent:** 10 juin 2002 17:41
**To:** Tricker, Anthony
**Cc:** Kinser, Robin D.; Walk, Roger A.; Roethig, Hans; Feng, Shixia; Oey, Jan; Tso, Tom; Lipowicz, Peter J.; Counts, Mary Ellen; Zimmermann, Mike
**Subject:** RE: Entrez-PubMed.htm

Dear Anthony,

Thanks for very interesting information. What are the manufacturer-specific variables the author referred to?

For the global benchmark brands, we just received the blend structure information for most of the EU brands couple of weeks ago and are in the process to look into the influence of the blend structures on MS TSNA yields. Peeking into the Canadian benchmark data, it showed better and more consistent correlation between MS NNN (0.75), NAT (0.88) and NNK (0.78) and ISO Tar (too many ND for NAB). Since Canadian market is all 100% flue-cured tobacco, this provides some insights that the poor correlation in Mass and global benchmark studies is probably due to the diverse blend structures.

As observed by others, MS TSNA do not appear to correlate with any physical parameters, tar, nicotine or CO. However, all 4 TSNA show a significant correlation with NO or NOX with R^2 > 0.75 in the global data. We have also looked into the multiple regression (stepwise) by including physical parameters and tar. Although the R^2 did improve, the problem is there are issues of colinearity among the repressors. Bill Dwyer has explored the correlation of MS TSNA vs. tobacco mass burnt which showed improvement although I have not seen the data.

Frank Hsu
PMUSA RD&E
804-274-2641
804-274-2886 (fax)

-----Original Message-----
**From:** Tricker, Anthony
**Sent:** Saturday, June 08, 2002 7:59 AM
**To:** Kinser, Robin D.; Walk, Roger A.; Roethig, Hans; Feng, Shixia; Oey, Jan; Tso, Tom; Hsu, Frank; Lipowicz, Peter J.
**Cc:** Tricker, Anthony
**Subject:** Entrez-PubMed.htm

<< File: Entrez-PubMed.htm >>